

AMENDMENTS TO THE CLAIMS

Replace the claims with the following rewritten listing:

1. (Currently Amended) Resonant detection or identification antenna of the type comprising at least one turn (~~3 to 5; 11; 12; 21; 31~~) which comprises at least one electrically conducting wire and is connected to a transponder electronic chip (~~7~~), the operating frequency of ~~the~~ said antenna being greater than or equal to 10 MHz, ~~the~~ an area defined by ~~the~~ said at least one turn being substantially less than or equal to 0.30 m², ~~characterized in that the~~ wherein a total capacitance of the antenna (~~1; 10; 20; 30~~) is substantially greater than or equal to 140 pF and ~~in that the~~ Q-factor of ~~the~~ said at least one turn (~~3 to 5; 11; 12; 21; 31~~) is substantially greater than or equal to 30.
2. (Currently Amended) Resonant antenna according to Claim 1, ~~characterized in that~~ wherein the transponder chip (~~7~~) has a first capacitor of predetermined value and ~~in that~~ wherein a second capacitor (~~8~~) is placed in parallel with the electronic chip (~~7~~) in such a way that the overall capacitance of the antenna (~~1; 10; 20; 30~~) is greater than or equal to 140 pF.
3. (Currently Amended) Resonant antenna according to Claim 1 ~~or 2~~, ~~characterized in that~~ wherein the said at least one turn (~~3 to 5; 11; 12; 21; 31~~) has mechanical properties suitable for the antenna (~~1; 10; 20; 30~~) to retain by itself a predetermined shape.
4. (Currently Amended) Resonant antenna according to Claim 1 ~~or 2~~, ~~characterized in that~~ wherein ~~the~~ said at least one turn (~~3 to 5; 11; 12; 21; 31~~) is fastened to a support (~~2~~).
5. (Currently Amended) Resonant antenna according to ~~any one of~~ Claims 1 ~~to 4~~, ~~characterized in that the~~ wherein said at least one turn (~~3 to 5; 11; 12; 21; 31~~) comprises a single-strand wire.

6. (Currently Amended) Resonant antenna according to ~~any one of Claims 1 to 4,~~
~~characterized in that the~~wherein said at least one turn (~~3 to 5; 11; 12; 21; 31~~) comprises a
wire formed from seven strands and ~~the~~a diameter of which is substantially equal to 0.25
mm.

7. (Currently Amended) Resonant antenna according to ~~any one of Claims 1 to 4,~~
~~characterized in that the~~wherein said at least one turn (~~3 to 5; 11; 12; 21; 31~~) takes ~~the~~a
form of a track deposited on a substrate and ~~the~~a width and ~~the~~a thickness of which are
substantially equal to at least 1.4 mm and 35 μ m respectively.

8. (Currently Amended) Resonant antenna according to ~~any one of Claims 1 to 7,~~
~~characterized in that~~wherein the antenna (~~1; 10; 20; 30~~) comprises a single turn (~~3~~).

9. (Currently Amended) Resonant antenna according to Claim 8, ~~characterized in~~
~~that~~wherein the single turn is chosen from one of ~~the~~ rectangular shapes having recessed
corners and rectangular shapes having cut corners.

10. (Currently Amended) Resonant antenna according to ~~any one of Claims 1 to 7,~~
~~characterized in that~~wherein the antenna (~~10~~) comprises a first turn (~~11~~) and a second turn
(~~12~~) which is placed inside the first turn and ~~the~~a area of ~~which~~the second turn lies
substantially between 10% and 90% of ~~the~~a area of the ~~said~~ first turn (~~11~~).

11. (Currently Amended) Resonant antenna according to Claim 10, ~~characterized in~~
~~that~~wherein the area of the second turn (~~12~~) is substantially equal to half the area of the
first turn (~~11~~).